

01-07-02 A

PTO/SB/05 (11-00)

Approved for use through 10/31/2002 OMB 0651-0032

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	D4840 CIP
First Inventor	Ning Lei
Title	Fuel Injector With Direct Needle Valve Control
Express Mail Label No.	EL 781227664 US

10/23/01  
jc872 U.S. PTO  
10/03/2001  
jc872 U.S. PTO

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 29]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 10 ]
5. Oath or Declaration [ Total Pages 2 ]  
 a.  Newly executed (original or copy)  
 Copy from a prior application (37 CFR 1.63 (d))  
 (for continuation/divisional with Box 18 completed)
   
 i.  **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s)  
 named in the prior application, see 37 CFR  
 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

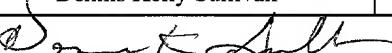
Continuation    Divisional    Continuation-in-part (CIP)

Prior application information      Examiner C. Miller

of prior application No. 09/365,965  
Group Art Unit 3747

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	 (Insert Customer No. or Bar Code Label here)				
26572					
Name	Dennis Kelly Sullivan PATENT TRADEMARK OFFICE				
Address	International Truck and Engine Corporation 4201 Winfield Rd.				
City	Warrenville	State	IL	Zip Code	60555
Country	U.S.A.	Telephone	630/753-2311	Fax	630/753-3982
Name (Print/Type)	Dennis Kelly Sullivan		Registration No. (Attorney/Agent)	26,510	
Signature			Date	10/22/01	

Burden Hour Statement This form is estimated to take 0 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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# FEE TRANSMITTAL

## for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

740

## Complete if Known

Application Number	
Filing Date	
First Named Inventor	Ning Lei
Examiner Name	
Group Art Unit	
Attorney Docket No.	D4840 CIP

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **14-0603**  
 Deposit Account Name **International Truck & Engine Corp.**

Charge Any Additional Fee Required  
 Under 37 CFR 1.16 and 1.17

Applicant claims small entity status.  
 See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	<b>740</b>
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
<b>SUBTOTAL (1)</b> (\$)				<b>740</b>	

## 2. EXTRA CLAIM FEES

Total Claims	17	-20** =	0	X	18	=	0	Fee from below	Fee Paid
Independent Claims	3	- 3** =	0	X	84	=	0		
Multiple Dependent									

## Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee Description		
103	18	203	9		
			Claims in excess of 20		
102	80	202	40		
			Independent claims in excess of 3		
104	270	204	135		
			Multiple dependent claim, if not paid		
109	80	209	40		
			** Reissue independent claims over original patent		
110	18	210	9		
			** Reissue claims in excess of 20 and over original patent		
<b>SUBTOTAL (2)</b> (\$)				<b>0</b>	

\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
105	130	205	65
		Surcharge - late filing fee or oath	
127	50	227	25
		Surcharge - late provisional filing fee or cover sheet	
139	130	139	130
		Non-English specification	
147	2,520	147	2,520
		For filing a request for ex parte reexamination	
112	920*	112	920*
		Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*
		Requesting publication of SIR after Examiner action	
115	110	215	55
		Extension for reply within first month	
116	390	216	195
		Extension for reply within second month	
117	890	217	445
		Extension for reply within third month	
118	1,390	218	695
		Extension for reply within fourth month	
128	1,890	228	945
		Extension for reply within fifth month	
119	310	219	155
		Notice of Appeal	
120	310	220	155
		Filing a brief in support of an appeal	
121	270	221	135
		Request for oral hearing	
138	1,510	138	1,510
		Petition to institute a public use proceeding	
140	110	240	55
		Petition to revive - unavoidable	
141	1,240	241	620
		Petition to revive - unintentional	
142	1,240	242	620
		Utility issue fee (or reissue)	
143	440	243	220
		Design issue fee	
144	600	244	300
		Plant issue fee	
122	130	122	130
		Petitions to the Commissioner	
123	50	123	50
		Processing fee under 37 CFR 1.17(q)	
126	180	126	180
		Submission of Information Disclosure Stmt	
581	40	581	40
		Recording each patent assignment per property (times number of properties)	
146	710	246	355
		Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355
		For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355
		Request for Continued Examination (RCE)	
169	900	169	900
		Request for expedited examination of a design application	
Other fee (specify) _____			

\*Reduced by Basic Filing Fee Paid **SUBTOTAL (3)** (\$)

0

## SUBMITTED BY

Complete if applicable

Name (Print/Type)	Dennis Kelly Sullivan	Registration No (Attorney/Agent)	26, 510	Telephone	630/753-2311
Signature				Date	10/22/01

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Lei

Attorney Docket:

D4840 CIP

Entitled:

Fuel Injector With Direct Needle Valve Control

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

"EXPRESS MAIL" mailing label number:

EL 781227664 US

DATE OF DEPOSIT:

October 22, 2001

I hereby certify that this Patent Application is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX Patent Application, ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

  
Cathi Majewski